

magnesium, mixtures thereof, blends thereof, and composites thereof; each of said metals optionally having an anodized layer thereon.

17. The system of claim 16 wherein said anodized metal and anodized metal alloy have an anodization layer not greater than 0.5 mils thick.

18. The system of claim 1 wherein said liner is of a material selected from the group consisting of medical grade cellulose, polypropylene, non-woven polyolefin, muslin, linen, synthetic wraps, and mixtures, blends, composites, and hybrids thereof.

19. The system of claim 18 wherein said synthetic wrap is selected from the group consisting of Gortex, Teflon, polyfoil compounds, tyvek, and mixtures, blends, composites, and hybrids thereof.

20. The system of claim 1 wherein said outer case bottom is hingeably connected to said outer case sidewalls.

21. The system of claim 1 wherein said outer case bottom has four edges and is hingeably connected to said four outer case sidewalls, being designated a first, second, third, and fourth outer case sidewalls, respectively, said first outer case sidewall being further hingeably connected to said outer case lid along an edge of said first outer case sidewall that is parallel to the edge of said first outer case sidewall that is hingeably connected to said outer case bottom.

22. The system of claim 1 wherein said liner further comprises a closure means.

23. The system of claim 22 wherein said closure means is Velcro.

24. A method of sterilizing objects in need thereof with the system of claim 1 comprising (a) placing said objects into said inner tray and optionally placing said inner tray lid on said inner tray; (b) wrapping said inner tray loaded with said objects and optionally closed with said optional inner tray lid to result in a wrapped inner tray; placing said wrapped inner tray into said outer case; placing said outer case lid on said outer case to form a sterilization unit, and subjecting said sterilization unit to a sterilization procedure.

25. A method of sterilizing objects in need thereof with the system of claim 1 comprising

- (a) (i) placing said objects into said inner tray, optionally placing said inner tray lid on said inner tray;
- (ii) placing said liner into said outer case interior; and

- (iii) placing said inner tray with said objects to be disinfected onto said liner; or

- (b) (i) placing said liner into said outer case interior;

- (ii) placing said inner tray onto said liner; and

- (iii) placing said objects into said inner tray, optionally placing said inner tray lid on said inner tray;

- (c) wrapping said inner tray loaded with said objects and optionally closed with said optional inner tray lid to result in a wrapped inner tray;

- (d) placing said outer case lid on said outer case to form a sterilization unit, and

- (e) subjecting said sterilization unit to a sterilization procedure.

26. A method of sterilizing objects in need thereof with the system of claim 20 comprising

- (a) placing said hingeably connected outer case bottom and side walls in an open position on a surface;

- (b) placing said liner on said bottom and side walls;

- (c) placing said inner tray on said liner,

- (i) without said objects in said inner tray and then adding said objects into said inner tray or

- (ii) with said objects having been previously placed into said inner tray

- (d) optionally placing said inner tray lid on said inner tray; and

- (e) in either sequence, (i) wrapping said inner tray in said liner and raising said outer case side walls and latching them into an upright position or (ii) first raising said outer case side walls to an upright position and latching them into place and then wrapping said inner tray with said liner;

- (f) placing said outer case lid on said outer case to form a sterilization unit; and

- (g) subjecting said sterilization unit to a sterilization procedure.

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